



T.Y. Lin International

GENERAL QUALIFICATIONS

TYLIN INTERNATIONAL

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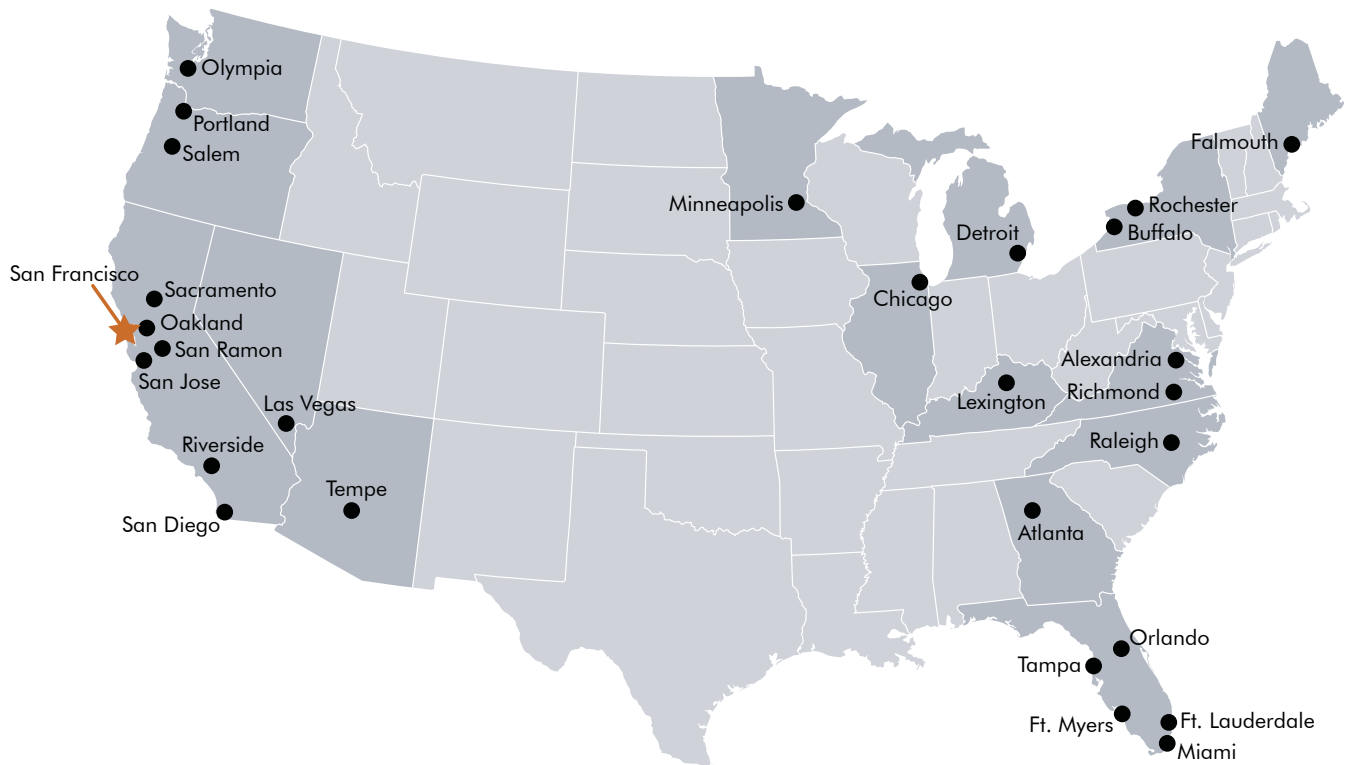
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T.Y. LIN INTERNATIONAL

Founded in San Francisco, T.Y. Lin International (TYLI) is a multi-disciplined planning and engineering firm that has provided innovative, cost-effective, constructible infrastructure designs for over 50 years. Ranked one of the top 25 transportation design firms by Engineering News Record, the company is one of the recognized world leaders in transportation design. With more than one thousand employees working in offices throughout the United States and Asia, the firm can provide leadership and support on projects of varying size and complexity. With experienced industry leaders in regional offices, each client benefits from the company's global expertise while receiving personal attention to local needs.

Engineering News-Record 2009 Rankings

- #11 Top 25 in Bridges
- #21 Top 50 in Transportation
- #50 Top 100 "Pure" Designers
- #77 Top 500 Design Firms



WHAT DISTINGUISHES TYLI?

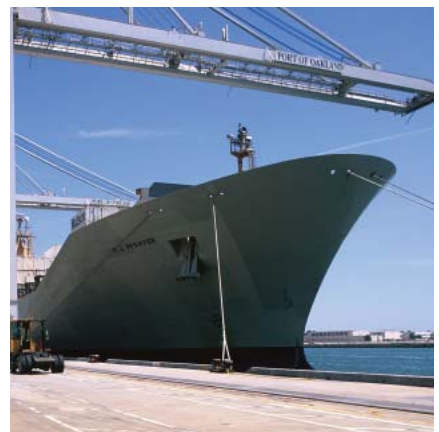
- **A Culture of Project Delivery:** TYLI has a well-earned reputation for the delivery of exceptional projects and has repeatedly assumed leadership on some of the world's most technically challenging transportation projects. TYLI's design professionals constantly evaluate and improve management, technology, and construction delivery systems to ensure our clients receive the most current and appropriate project solutions.
- **Innovative, Award-Winning Design:** TYLI's engineering design achievements have been recognized throughout the world with awards from professional, civic, and industry groups and publications.
- **Cutting-Edge Technology:** TYLI staff represent many of the pioneers in engineering strategies and technology, and bring a knowledge and global understanding that is not prevalent in other firms.
- **Knowledge of Codes/Standards:** TYLI principals often serve as consultants for code interpretation and the development of new engineering and construction standards. They bring unsurpassed command of current procedures, specifications, and design methodologies.
- **Multidisciplinary Project Teams:** TYLI offers an incomparable depth of resources and breadth of knowledge, and is able to tailor full-service consulting teams to respond to specific project challenges.
- **On-Schedule and On-Budget Performance:** TYLI maintains an outstanding track record in project management and in meeting schedule and budget expectations.
- **Commitment to Service:** A dedication to our clients and quality of service is evidenced by our repeat clients, long-standing relationships, and direct referrals from clients, contractors, and the community.



*Camino Ruiz Bridge –
San Diego, California*



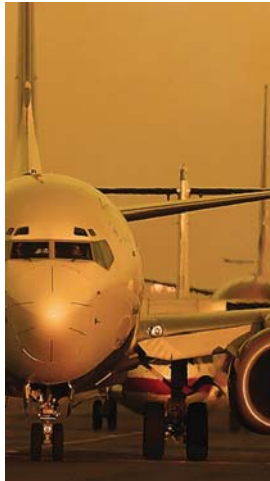
*Interstate 17 and State Route 101L Outer
Loop Interchange – Phoenix, Arizona*



Port of Oakland, California

PROFESSIONAL SERVICES AND PROJECT TYPES

TYLI's commitment to transportation infrastructure engineering encompasses a wide range of services and project types including those listed in the following pages.



Airports



Bridges



Port and Marine



Rail and Transit



Roadway Systems

AIRPORTS



TYLI added to their already world-class aviation division in 2002 with the acquisition of H.J. Ross and Associates of Miami, Florida – a firm with 55 years of airport experience. With the support of over 80 new aviation experts that have assumed leadership for some of the world's most technically challenging aviation projects, TYLI has entered a new era of resourcefulness and creative power in order to meet client needs. TYLI's aviation division is fully versed in airport facilities development and operations, from small community airports to major regional carriers and international airports. Projects have encompassed complete airfield and terminal planning/design for several major domestic and international airports, as well as cargo facilities, fueling storage and distribution systems, parking structures, and other specialty aviation projects.



TYLI specializes in finding unique solutions for each airport's specific needs. In addition, we always work to maximize efficiency, uninterrupted operations, and safety.

Aviation Services

Master Planning
Facilities Concepts
Design
Construction Engineering
Environmental Services
Program Management

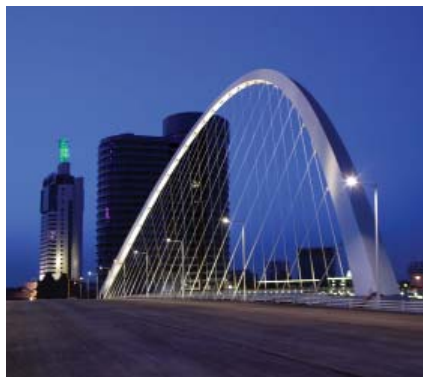
Aviation Sectors

Terminal Facilities
Runways/Taxiways
Aprons
Landside Facilities
Roadways/Transit Access
Automated People Movers
Aircraft Support Systems
Fueling
NAVAIDS
Security Systems

BRIDGES



TYLI's practice is proudly rooted in the design of bridges, and our firm's hallmark of engineering excellence and creativity continues to thrive at the heart of our practice. Nearly a half-century since forming, we are ranked by Engineering News-Record as the eight largest bridge design firm (2007). From short span to long span, from simple to complex, TYLI has the experience, personnel, and technology necessary for bridge projects in every corner of the world. Based in San Francisco, TYLI is a leader in the field of seismic analysis and retrofit design of bridge structures. We have developed state-of-the-art seismic design and retrofit technology, and offer our clients complete inspection services, structural investigations, rehabilitation design and repair, and seismic evaluation and retrofit design of existing structures. Our history and innovation in both design and construction engineering, combined with advanced technology, and the best professionals in the business, ensure that our clients receive designs that can be built efficiently and economically.



Bridge Services

- Planning/Concepts
- Design
- Construction Engineering
- Construction Support/Services
- Program Management
- Rehabilitation and Repair
- Seismic Retrofit
- Design-Build

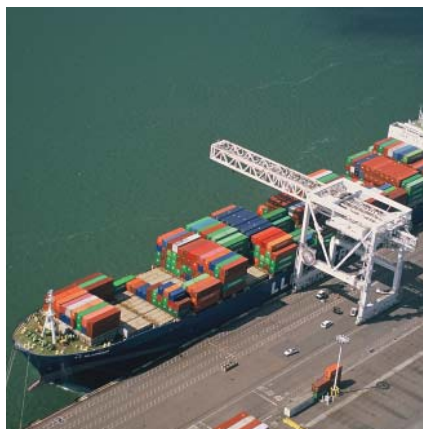
Bridge Types

- Arch
- Segmental
- Suspension
- Cable-stayed
- Conventional
- Pedestrian
- Specialty

PORT AND MARINE



TYLI brings a broad understanding to the maritime industry through expertise in port facilities, port terminal development, intermodal systems, and highway and rail landside access. TYLI has expertise in structural engineering and developing solutions for difficult environmental and site conditions. This expertise includes concept and final designs for berthing, pier design, surveys, dredging and EPA evaluations, and pier and shore side utilities supply. TYLI's professionals understand the importance of maintaining port and marine operations at all times. They bring an understanding of operations issues and the planning and construction experience necessary to ensure that port operations, cargo flows, and landside access continue to operate smoothly during all project phases.



Port and Marine Services

Planning/Concepts
Design
Construction Engineering
Construction Support/Services
Program Management
Rehabilitation and Repair

Port and Marine Types

Piers
Terminals
Dredging
EPA Evaluations
Landside Access

RAIL AND TRANSIT



TYLI provides services to transit authorities, commuter railroads, and private railroad companies. Services include the design and the rehabilitation of existing structures for railroads, commuter rail, rapid rail, and light rail systems. In each of these projects, TYLI regularly addresses a variety of critical issues, including public involvement; environmental concerns; construction phasing; coordination among regulatory agencies; right-of-way status; and the evaluation of multi-modal alternatives. TYLI provides design and construction inspection services for railroad bridges, elevated guideway structures, cut-and-cover tunnels, rail alignment and trackwork, stations, and maintenance facilities. Transportation planning services include new start commuter rail feasibility studies; rapid transit, light rail and commuter rail preliminary design studies; railroad abandonment studies; rail transit system access and traffic studies; maintenance facility rehabilitation and expansion programs; and pedestrian studies. TYLI also provides comprehensive program management services for capital programs and construction programs.



Rail and Transit Services

- Planning/Concepts
- Design
- Construction Engineering
- Construction Support/Services
- Program Management
- Rehabilitation and Repair
- Design-Build

Rail and Transit Types

- Railroads
- Commuter Rail
- Rapid Rail
- Light Rail
- Rail/Transit Bridges

ROADWAY SYSTEMS



Adding lanes, designing intersections, researching rights-of-way, and reconstructing aging highway structures – these are projects that demand the expertise of TYLI. Responding to the ever increasing demands on our highway systems, TYLI provides its clients with a full spectrum of services for highway projects, including planning, environmental analysis, design, public outreach, program management, construction support, and Intelligent Transportation Systems (ITS). TYLI has the capability to work on any type of highway project, including interstates, urban freeways, local and arterial roads, toll roads, interchanges, high-occupancy vehicle systems, highway structures, and capacity improvement programs. TYLI works with clients to develop and execute projects that can be constructed without disruption to vital traffic arteries and with minimal environmental impact. Additionally, TYLI's planners and engineers work with public and government agencies to address community issues and determine appropriate solutions.

"[The project] has been cited as an example of how to do a major infrastructure project in a densely populated urban area."

S. L. Kaderbek, S.E., P.E.
Deputy Commissioner/Chief Engineer
Chicago Bureau of Bridges and Transit

Roadway Services

Planning/Concepts
Design
Construction Engineering
Construction Support/Services
Program Management
Rehabilitation and Repair
Design-Build

Roadway Types

Freeway
Interchange
Arterial/Local
ITS/Traffic Engineering
System Planning
Non-Motorized
Traffic Management

AWARDS

Since 1963, TYLI has received more than 250 awards for its projects around the world. These honors, awarded by our peers, clients, and other professionals, reflect our dedication to excellence. A few of the recent awards are highlighted below:



Dagou Bridge

Dagou Bridge – Tianjin, China

Consulting Engineers and Land Surveyors of California (CELSOC),
Honor Award [2007]
Eugene C. Figg Jr. Medal for Signature Bridges [2006]
International Illumination Design Merit Award [2006]

Centennial Bridge (Panama Canal Second Crossing) – Panama City, Panama

Consulting Engineers and Land Surveyors of California (CELSOC),
Merit Award [2007]
American Segmental Bridge Institute (ASBI) Bridge Award of Excellence [2005]



Centennial Bridge

North Torrey Pines Road Bridge – San Diego, California

American Public Works Association (APWA) National Awards,
Public Works Project of the Year [2006]
American Road and Transportation Builders Association (ARTBA),
Globe Award [2006]
Federal Highway Administration (FHWA) Excellence Award,
Major Highway Structures (Under \$15 million) [2006]

Sidney Lanier Bridge – Brunswick, Georgia

Concrete Reinforcing Steel Institute (CRSI) Design Merit Award [2006]
American Road and Transportation Builders Association (ARTBA),
Globe Award [2005]
American Segmental Bridge Institute (ASBI) Bridge Award of Excellence [2005]



Sidney Lanier Bridge

Cooper River Bridge – Charleston, South Carolina

American Council of Engineering Companies (ACEC), National Grand
Award [2006]
American Society of Civil Engineers (ASCE),
Outstanding Civil Engineering Achievement Merit Award [2006]
National Council of Structural Engineers Associations (NCSEA)
Outstanding Project Award [2005]

AWARDS



Oyster Point Flyover

Oyster Point Flyover – South San Francisco, California

Consulting Engineers and Land Surveyors of California (CELSOC),
Engineering Excellence Awards, Merit Award [2006]



Diamondback Bicycle/Pedestrian Bridge

Diamondback Bicycle/Pedestrian Bridge – Tucson, Arizona

American Council of Engineering Companies Honor Award in
Engineering Excellence [2003]
American Public Works Association Project of the Year [2003]
Consulting Engineers and Land Surveyors of California Honor Award
in Engineering Excellence [2003]
U.S. Department of Transportation's Federal Highway Administration
Excellence in Highway Design Award [2002]

Crooked River Bridge – Redmond, Oregon

Concrete Reinforcing Steel Institute Design Award [2002]
Consulting Engineers and Land Surveyors of California Golden
State Award [2001]
Portland Cement Association Award of Excellence [2001]



Chicago Skyway Reconstruction

Chicago Skyway Reconstruction – Chicago, Illinois

American Council of Engineering Companies (ACEC) of Illinois,
Engineering Excellence Competition, Honor Award [2006]

Rockford Area Year 2035 Long-Range Transportation Plan – Rockford, Illinois

American Council of Engineering Companies (ACEC) of Illinois,
Engineering Excellence Competition, Merit Award [2006]

Olympia–Yashiro Friendship Bridge – Olympia, Washington

Consulting Engineers and Land Surveyors of California (CELSOC)
Merit Award in Engineering Excellence [2005]
Federal Highway Administration Excellence in Highway Design [2004]

Santa Clara County Expressway Study – Santa Clara County, California

Consulting Engineers and Land Surveyors of California (CELSOC) Merit
Award in Engineering Excellence [2005]

AWARDS



South Lake Shore Drive

Reconstruction of South Lake Shore Drive – Chicago, Illinois

Federal Highway Administration Excellence in Highway Design [2005]

Consulting Engineers Council of Illinois Honor Award in Engineering Excellence [2004]

Miami International Airport Northside Runway 8-26 – Miami, Florida

Florida Department of Transportation Project of the Year [2004]



Miami International Airport